





Figure A1.3: Outcrop photos showing exposures measured in the Hunt-Midwest Sunflower quarry in DeSoto Kansas, Johnson County. The staff in each photo is 1.5 meters for scale. (A) Lower Farley outcrop with locations from which aggregate samples were collected for physical testing. In the case of the KDOT samples, this indicates the stratigraphic level from which the samples were taken but not the exact location. (B) Upper Farley outcrop with aggregate sampling locations indicated. (C) Middle Farley showing medium-scale cross-bedding.

Lithology & Weathering Pr	& Fossils So ofile & D	ed Struct & Rock Name (Dunham)	Cement	Color S	Additional Remarks
140 m+	BON B	Skelefal Wackesbre	Coard spon 15 not ab. Fills occasional Viside + replace Forsile  N 152 f rock 15 coard spon		Fusulinials common  Approximate an one manife land a social partition has common the them are shall plane and shall partition up a few of the few comments of the few
				8-03	
	go#	Foss: Interview S: Valence			Base has ab dissemble state is another such as the same state

Phickness	Lithology & Weathering Profile	Fossils & Grains	Sed Struct & Diag Feat	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
17cm		PT#	ABO	Phylloria	Ab. fine symme from physic. Course from				Very little differe day (15%)
- 15cm				Physical Wholeston	Course for filly fractions (~2000)		M3		
9cm		N#€	<b>⇔</b> A8.		Spor in frombers + replacing bassilse player		-10		Straly Rame at beddy place Each bet her a snet amount of clay differe into serverely LS
2200				Phyllood Algal Warraba	(20-1572) IXAN 5.721 13 Elm		KAT		omenty clay the into sorrounty is belley place a belley place a bross he differ
3ben									deg in it.
ver							1		
ميخ		ではいる	€ A.B.	Sik Scan	Sper more abundant		T	- 1	(Named Frickman) Relatively clean
33em	1			Phylloid Wash	due to more fossils r physbook alsee		HM-Z		to clay except & bedding planes the few on to either sich ~ 5% contains clay.
30cm				Wasterson	(10-252) Size 15 Slan				
							(20T-1		
Men +	=======================================			or below			1		coul. for 10 1

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed. Struct & Diag. Feat.	Rock Name (Dunham)	Cement	Color	Sample No.	Photo No.	Additional Remarks
2pm	25			3/65har					Malle Faily Stale
bach		008/ 010 41	Ü	X-Bellet Seelehol Park Grandhe	No course content From spor Fills most interpolate grate (205-405)				Laguescale X-badding Shale halow produce 1-5 walls. Plackable of comments Surdy-1: Hy (Hz Send)
-san 15on		8# <b>-</b>		Pelbold Stelshil Packshu	Littletone consister (462)		BV-7		Densly packed; Grugoren (52mm) Shall Bladding place
Ver		8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0	Pelondel Skelahl Packstone	Fore som (5 1 mm) is about the (40 -68%) Recorpt. Assil Gray - other		KBOT-10 WE		No make day prior for fills all subspiciols green space.  Coarser ground from but about.  Throtur builted them below.
Sian		心や雑	<b>⊕</b> A.8.	Phyllod Algal Wackester	Spon folls fracture or replace foods replace (64mm) (20002)		jime Briss		Mottled operand Very little day only then shapes @ baddes place (552)
Ticm		2-0# #	9	Phyl Algal Wackestur	Morab course 500 (1-500) ~25%		1	Н	Very lottle clay (252)
	FIELD		1	ocation <u>Sud</u>	1	500 4	Ш	1_	Page 3 of

Rock Unit(s): Upper Farley

Thekness	Lithology & Weathering Profile	Fossils & Grains	Sed Struct & Drag Feat	Rock Name (Dunham)	Cement	Color	Sample	Photo No.	Additional Remarks
tent		O AA	(B ≠ @)	Phyllad Atgal Wadeshin	Coarse spen replace Books replace Books replace Books replace Books (lent) 20th in some Books (n. 2020) The spen also promot (n. 1520)		1	A.L.	Largereys filled wy key large extends filled wy defense such xetts  Other keys filled wy dedonik (beroges) and sphederik?  Most large brocks are land expected to defende. Some Very coarse; reversion.  Phyll. density is verible the coarses spartained in very siferile will lively crush out.  Shelplay only band in some at whis plane.  (5.12)
35cm	Date_	€ P W		Phys. Afril Waderim Osagra wall Salle Pe- waserim ocation Sun!	(~15%)		1 21 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	A)	Page 4 of 5

Rock Unit(s):		
KOCK OHIGS)	-	

Thickness	Lithology & Weathering Profile	Fossils & Grains	Sed Struct & Diag Feat	Rock Name (Dunham)	Cement	Color	Sumpte	Photo No.	Additional Remarks
		77		11.2					Share contect along so
•									Sharp conduct along you bed. Verraloh that a bredding. Found allo exposure. Honogrand
a		08		Bland Sold			515		
							5-4		Edon became modili
er				as below					
							5-0	า	
con .	THE						3	1	-
	Date	1	L	ocation _ Sur	flower a	mily		_	Page 5 of .

Locality LQ: Quarry section. Measured in the inactive quarry on Loring Road west of Bonner Springs in Leavenworth County. The Farley Limestone is accessible in the upper portion of the quarry. Follow quarry roads up around to the northeast. Argentine Limestone is exposed at the level of the quarry pond and the Island Creek Shale and Farley Limestone is accessible by climbing. The upper portions of the Farley were only reachable with a ladder and some was out of reach completely. This section contains aggregate samples KDOT 14-17

